

CLAIM AMENDMENTS

Claims 1-87 (Cancelled).

88. (Currently Amended) A method for treating source water comprising:
~~directing source water assembly having a filter medium to a prefilter assembly,~~
including passing source water through a filter medium having a removal rating of about 10 microns or more and thereby filtering the source water to produce prefiltered water;
directing the prefiltered water from the prefilter assembly to a radiation assembly
having a radiation source, including irradiating the prefiltered water with pulsed, broadband radiation generated by the radiation source to produce irradiated water, wherein irradiating the water with broadband radiation includes irradiating the water with broadband radiation having one or more wavelengths in the range from about 100nm to about 1100nm; and
directing irradiated water from the radiation assembly to a filter assembly, including passing the irradiated water through a microporous filter medium having a removal rating of about 1 micron or less and thereby filtering the irradiated water.

Claims 89-92 (Cancelled).

93. (Previously Presented) The method of claim 88 wherein irradiating the water comprises directly irradiating the water.

94. (Previously Presented) The method of claim 88 wherein irradiating the water includes indirectly irradiating the water.

95. (Original) The method of claim 94 wherein indirectly irradiating the water includes irradiating a photoactive material and contacting the water with the photoactivated material.

Claim 96-115 (Cancelled).

116. (Currently Amended) A system for treating source water comprising:
an inlet for receiving sourcewater;
an outlet for discharging water;

~~a filter prefilter assembly having including a filter medium disposed between the inlet for receiving sourcewater and the outlet for discharging water, the filter medium of the prefilter assembly having a removal rating of about 10 microns or more;~~

~~a filter assembly including a microporous filter medium disposed between the prefilter assembly and the outlet for discharging water, the microporous filter medium having a removal rating of about 1 micron or less; and~~

~~a radiation assembly including a radiation source generating pulsed, broadband radiation arranged to irradiate the prefiltered water between the inlet prefilter assembly and the filter assembly and wherein the outlet and including a radiation source generating broadband radiation having one or more generated by the radiation source has wavelengths in the range from about 100nm to about 1100nm.~~

Claims 117-120 (Cancelled).

121. (Previously Presented) The system of claim 116 wherein the radiation assembly is arranged to directly irradiate the water.

122. (Previously Presented) The system of claim 116 wherein the radiation assembly is arranged to indirectly irradiate the water.

123. (Original) The system of claim 122 wherein the radiation assembly includes a radiation source and a photoactive material, the radiation source being arranged to irradiate the photoactive material.

Claims 124-129 (Cancelled).

130. (Previously Presented) The method of claim 88 wherein irradiating the water with broadband radiation comprises generating radiation having a distribution of wavelengths within any subband extending for at least about 20% of the range.

131. (Previously Presented) The method of claim 88 wherein irradiating the water with broadband radiation comprises generating radiation having a distribution of wavelengths within the subband from about 185nm to 400nm.

In re Appln. of STEVENS et al.
Application No. 10/069,935

132. (Previously Presented) The system of claim 116 wherein the radiation source generates radiation having a distribution of wavelengths within any subband extending for at least about 20% of the range.

133. (Previously Presented) The system of claim 116 wherein the radiation source generates radiation having a distribution of wavelengths within the subband from about 185nm to about 400nm.